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USIB/IRAC-M-1
26 February 1975

UNITED STATES INTELLIGENCE BOARD
INTELLIGENCE RESOURCES ADVISORY COMMITTEE

MEMORANDUM FOR THE UNITED STATES INTELLIGENCE BOARD
THE INTELLIGENCE RESOURCES ADVISORY
COMMITTEE

SUBJECT : Draft Minutes of the 26 February 1975 Joint
USIB/IRAC Meeting

1. The attached draft minutes of the 26 February joint USIB/IRAC meeting are submitted herewith for consideration.

USIB/IRAC ACTION REQUESTED

2. USIB and IRAC Members are requested to advise the Secretariat by close of business 18 March of their approval or other views on the attached minutes as well as the record of discussion and action contained in USIB/IRAC-S-9.4/29, 26 February 1975, limited distribution through restricted channels.



Executive Secretary

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Attachment



Exempt from general
declassification schedule of E.O. 11652
exemption category 5B(2) ~~200~~
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26 February 1975

UNITED STATES INTELLIGENCE BOARD
INTELLIGENCE RESOURCES ADVISORY COMMITTEE

Minutes of
First Meeting
Joint Session
United States Intelligence Board
Intelligence Resources Advisory Committee
DCI Conference Room (7D64)
Central Intelligence Agency, at 1500 hours, 26 February 1975

Director of Central Intelligence
Mr. W. E. Colby
Presiding

MEMBERS PRESENT

Lieutenant General Vernon A. Walters, USA, Deputy Director of Central Intelligence (USIB/IRAC Member)
Mr. William McAfee, acting for Director of Intelligence and Research, Department of State (USIB/IRAC Member)
Dr. Albert C. Hall, Assistant Secretary of Defense (Intelligence), Department of Defense (IRAC Member)
Mr. Donald G. Ogilvie, Associate Director for National Security and International Affairs, Office of Management and Budget (IRAC Member)
Lieutenant General Eugene F. Tighe, Jr., USAF, Acting Director, Defense Intelligence Agency (USIB Member)
Lieutenant General Lew Allen, Jr., USAF, Director, National Security Agency (USIB Member)
Mr. J. Foster Collins, acting for Department of Treasury Representative to USIB (USIB Member)
*Major General Edward B. Giller, USAF (ret.), Energy Research and Development Administration Representative to USIB (USIB Member)
*Mr. James G. Poor, acting for Energy Research and Development Administration Representative to USIB
*Mr. W. Raymond Wannall, Federal Bureau of Investigation Representative to USIB (USIB Member)
*Mr. William O. Cregar, acting for Federal Bureau of Investigation Representative to USIB

*Part of Meeting

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OBSERVERS PRESENT

Major General Harold R. Aaron, USA, Assistant Chief of Staff for
Intelligence, Department of the Army (USIB Observer)
Rear Admiral Bobby R. Inman, USN, Director of Intelligence,
Department of the Navy (USIB Observer)
Brigadier General John S. Pustay, USAF, Acting Assistant Chief
of Staff, Intelligence, United States Air Force (USIB Observer)
Mr. Richard Ober, Director for Intelligence Coordination,
National Security Council Staff (IRAC Observer)

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In addition to the regular agenda items for the first joint USIB/IRAC session, the Chairman commented upon the following:

a. Guidelines for Handling Requests for
Information from the Intelligence Community

25X1A Noting the increase of requests to the Intelligence Community resulting from the various investigations now under way, Mr. Colby said that he wished to be responsive to the various chains of command within the departments to ensure that the proper levels are aware of and respond to such requests. He suggested that the appropriate points of contacts within the various departments and agencies be employed rather than using lower level offices to obtain information. This has broader applications than just the investigations under way and should be the general rule for any such requests. In this context, he noted that the ad hoc group under the USIB, chaired by [redacted], for coordinating the requests from the Senate and House select committees was working very well.

As a related matter, Mr. Ogilvie stressed the need for coordination of requests resulting from the amended Freedom of Information Act. He said that OMB was developing government-wide guidelines in this regard. Mr. Colby agreed and said that the General Counsels of the various departments and agencies within the Intelligence Community were meeting regularly on this subject.

b. OMB Budget Letter
(USIB/IRAC-D-74.2/12,
20 February 1975, limited
distribution through restricted
channels)

Mr. Colby said he wished the USIB and IRAC Principals to note the OMB letter to him (reference) since it applies to several departments and agencies in the Intelligence Community. Mr. Colby expressed appreciation to Mr. Ogilvie for the allocations provided to the Intelligence Community. Mr. Colby reported that there was more work to do as indicated in Mr. Ash's letter and that this would be developed through the IRAC process.

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c. Travel Funds Required to Support
Search and Resolution Studies

Mr. Colby noted that, in order to support the July ExCom, two studies had been tasked which required the allocation of adequate travel funds from CIA and DoD if the studies are to be thorough. Stressing the importance of the studies to the deliberations of the ExCom, Mr. Colby asked that CIA and ASD(I) look into this matter for the purpose of providing the necessary travel funds or report back to the DCI if there are problems.

d. State Budgetary Action

Mr. Colby commented that he understood State's concern about a reduction in the FY '76 State budget of [] which had, in part, been intended to purchase Collins automated relay station equipment. He said he believed that earlier program decisions precluded reconsideration of this problem at this time.

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Mr. Colby also understood that State/INR wished to participate in Project SAFE. He suggested that such a request seemed reasonable and deserved additional examination by the Intelligence Information Handling Committee. Mr. McAfee expressed his appreciation for the DCI's help in these matters.

e. BUFFALO HUNTER

Mr. Colby recalled that there is a pending action before the IRAC with regard to BUFFALO HUNTER. He wished the IRAC members to be alert to this problem, since consideration by the 40 Committee is set for April.

1. National SIGINT Plan
 - (a. USIB/IRAC-S-9.4/27,
12 February 1975;
 - b. USIB/IRAC-S-9.4/26,
16 January 1975;c. USIB/IRAC-S-9.4/28, 24 February 1975)

(A record of the USIB/IRAC discussion and action on this subject is contained in USIB/IRAC-S-9.4/29, 26 February 1975, limited distribution through restricted channels.)

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Executive Session

2. Discussion of "Intelligence
Research and Development,
1974-1980"

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25X1 Mr. Colby convened the USIB/IRAC in executive session for a
discussion and a briefing on this subject. Mr. Colby invited [redacted]
the Executive Director of the IRAC Intelligence R&D Council, to present a
briefing. [redacted] extended the apologies of Dr. Currie, the Chairman of the
IR&D Council, who, due to commitments on the Hill was unable to be present.
25X1 On his behalf, [redacted] described the Council's efforts in development of a
three volume document on intelligence and intelligence-related R&D.
25X1 [redacted] also briefed the USIB and IRAC Principals on the status and
organization of the IRAC Intelligence R&D Council, highlighting some of the
more significant efforts under way.

A description of the IRAC IR&D Council and a set of [redacted] 25X1
briefing aids are attached.

Adjournment: 1641 hours

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[redacted]
Executive Secretary

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26 February 1975INTELLIGENCE RESOURCES ADVISORY COMMITTEE
THE INTELLIGENCE RESEARCH AND DEVELOPMENT COUNCIL

The Intelligence Research and Development Council (IR&DC) was established in November 1973 as a permanent subcommittee of the Intelligence Resources Advisory Committee (IRAC). It is chaired by the Director, Defense Research and Engineering. Council membership consists of: the Deputy Assistant Secretary of Defense for Intelligence; Deputy Director for R&D, National Security Agency; the Director, Defense Intelligence Agency; the Director, Advanced Research Projects Agency; the Under Secretaries of the Navy and Air Force; the Assistant Secretaries of the Army, Navy, and Air Force for R&D; the Associate Deputy Director for Science and Technology, Central Intelligence Agency; and the Director, Telecommunications and Command and Control Systems, Office of the Secretary of Defense.

Establishment of the IR&D Council was driven by several factors. First of all, there was a perceived need to insure that intelligence research and development resources were properly attuned to meet the challenges of the 1980s in the face of severe fiscal constraints, the era of detente, and the emerging role of third world nations. Secondly, it was observed that compartmentation prevented exchange of technology among intelligence community organizations and restricted the use of technology already available in the research and development arena external to the intelligence community. Thirdly, there was no effective mechanism within the intelligence community to assess when duplicative or parallel technology efforts were not warranted. Finally, there was no single focal point within the intelligence community to serve R&D planners in development of objectives.

The Council meets monthly in the Pentagon for a four-hour session. During the past year, the Council has reviewed all R&D programs of member organizations. In July 1974, the Council issued a report citing the perceived top five R&D problem areas, further described other problem areas, and listed those technology areas where it observed that increased emphasis by the intelligence community could lead to high pay-off in satisfaction of intelligence objectives.

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The results of the review of intelligence R&D across Government organizations (less the FBI and Treasury) are reported in "Intelligence Research and Development -- 1974-1980". Published in three volumes, it contains departmental R&D organizations, R&D funding profiles, R&D project/program descriptions, and arrays this information at all classification levels by intelligence functional categories such as collection, production, analysis, ELINT, laser, etc., to cite a few. It is planned to update information contained therein twice yearly. These documents are distributed to the members and their R&D planning staffs.

Several subcommittees have been formed to address problems that have surfaced during Council sessions. They are: 25X
Subcommittee whose charge is to determine innovative applications for intelligence purposes; The Wide-Band Data Link Subcommittee which is tasked to inventory the wide-band data links under development, review anti-jam policy, and recommend a course of action that maximizes interoperability; The Mass Memory Technology Subcommittee whose objective is to assess and develop plans for acceleration of basic and exploratory research in this critical area; The Electromagnetic Intercept and Position Fixing Subcommittee whose goal is to develop a common technology base among the many tactical programs; The Analytical Terminals Subcommittee who is tasked to inventory and assess competing technology efforts among COINS, SAFE, NMIC, and several tactical systems; The Image Processing Subcommittee which is concerned with developing recommendations for long-range R&D in this technology area; and The Remote Sensor Technology Subcommittee which is charged with development of a community plan for R&D and application of this to intelligence objectives.

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The IR&D Council serves as a bridge among intelligence R&D planners as well as between intelligence R&D and other non-intelligence R&D efforts. It also serves as a common forum on technology exchange, national/tactical interface, and future R&D plans in satisfaction of intelligence objectives. Key leaders in industry, particularly those with long affiliations with the intelligence community, address the Council periodically on technology opportunities for intelligence applications as perceived from industry. Consultants from industry serve on or provide advice to certain subcommittees depending upon the scientific discipline required.

The present Chairman is Dr. Malcolm R. Currie, Director, Defense Research and Engineering. The Council formally reports to the Chairman, IRAC, in mid July of each year. This report summarizes

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past year activities, consolidates recommendations, and projects the ensuing year's activity. Reports and recommendations on specific problems are issued periodically. Minutes of each Council session are distributed to member organizations and their supporting staffs.

Future plans call for the Council to continue to address key problems as they surface and formulate recommendations, perform trends analyses and technological forecasting studies from the base now established, and provide direction to the several subcommittees presently in being. Administrative support to the Chairman and the Council is provided by the Intelligence Community Staff.

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INTELLIGENCE RESEARCH AND DEVELOPMENT

1974 - 1980

DR. MALCOLM R. CURRIE
26 FEBRUARY 1975

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S E C R E T
INTELLIGENCE RESEARCH AND DEVELOPMENT COUNCIL
MEMBERS

26 FEB 1975

CHAIRMAN

DR. MALCOLM R. CURRIE, DIRECTOR, DEFENSE RESEARCH AND ENGINEERING

MEMBERS

MR. JAMES W. PLUMMER, UNDER SECRETARY OF THE AIR FORCE, SAF/US

DR. DAVID S. POTTER, UNDER SECRETARY OF THE NAVY

DR. GEORGE HEILMEIER, ACTING DIRECTOR, DEFENSE ADVANCED RESEARCH PROJECTS AGENCY

LIEUTENANT GENERAL DANIEL O. GRAHAM, DIRECTOR, DEFENSE INTELLIGENCE AGENCY

25X1A [REDACTED] SPECIAL ASSISTANT TO THE DIRECTOR, NATIONAL SECURITY
AGENCY

MR. THOMAS C. REED, DIRECTOR, TELECOMMUNICATIONS & COMMAND & CONTROL SYSTEMS,
OFFICE OF THE SECRETARY OF DEFENSE

DR. WALTER LABERGE, ASSISTANT SECRETARY OF THE AIR FORCE (R&D)

MR. NORMAN R. AUGUSTINE, ASSISTANT SECRETARY OF THE ARMY (R&D)

MR. H. TYLER MARCY, ASSISTANT SECRETARY OF THE NAVY (R&D)

MR. MORTON E. GOULDER, DEPUTY ASSISTANT SECRETARY OF DEFENSE (INTELLIGENCE
AND WARNING SYSTEMS)

DR. SAYRE STEVENS, ASSOCIATE DEPUTY DIRECTOR FOR SCIENCE AND TECHNOLOGY,
CENTRAL INTELLIGENCE AGENCY

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VOLUME I ORGANIZATIONAL SUMMARY

VOLUME II FUNCTIONAL SUMMARY

VOLUME III SPECIAL SUPPLEMENT

26 FEB 1975

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OBJECTIVE

"To COMPILE INTELLIGENCE RESEARCH AND DEVELOPMENT ACROSS
ALL PROGRAMS WITHIN GOVERNMENT FOR USE BY INTELLIGENCE
R&D PLANNERS"

CONFIDENTIAL

26 FEB 1975

S C O P E

PROGRAMS -- NATIONAL, TACTICAL, ARPA

ORGANIZATIONS -- NSA, CIA, USA, USAF, USN, DIA,
ARPA, SPECIAL AIR FORCE,
SPECIAL NAVY

INVESTMENT -- APPROXIMATELY

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THE INTELLIGENCE RESEARCH AND DEVELOPMENT COUNCIL

Data Submission Requirements and Procedures

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26 FEB 1975

FUNCTIONAL CATEGORIES

- COLLECTION/PROCESSING
- TACTICAL SYSTEMS
- CLANDESTINE OPERATIONS
- INFORMATION PROCESSING/EXPLOITATION
- INTELLIGENCE PRODUCTION/ANALYTICAL METHODOLOGY
- COMMUNICATIONS
- SECURITY
- BEHAVIORAL SCIENCES
- MISSION SUPPORT

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CATEGORY DEFINITIONS

26 FEB 1975

TERMINOLOGY STANDARDIZATION

EXAMPLES:

- ** IMAGING (PASSIVE) IS THE COLLECTION OF PHOTOGRAPH-LIKE IMAGES WHEREIN THE COLLECTION SYSTEM DOES NOT EMBODY THE MEANS TO ILLUMINATE THE IMAGED SCENE OR OBJECT. EXAMPLES ARE:



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- ** SIGNALS DATA PROCESSING RD&E PRODUCES TOOLS FOR DATA REDUCTION, CALIBRATION, AND CHANGES IN THE SIGNAL TO REACH THE FORM WHERE USEFUL INFORMATION CAN BE EXTRACTED. SIGNALS INCLUDED UNDER THIS SUBCATEGORY ARE NOT LIMITED AS TO PROPAGATION MEDIUM OR TYPE.

[REDACTED] THE ACTUAL EXTRACTION OF INFORMATION FROM SIGNALS ALSO IS INCLUDED IN THIS SUBCATEGORY. (NOTE THE AFORESAID EXCLUSION CLAUSE RE SYSTEM- AND EQUIPMENT-UNIQUE PROCESSING AND EXPLOITATIONS.) EXAMPLES OF THIS RD&E ACTIVITY INCLUDE DEVELOPMENT OF SYSTEMS/ EQUIPMENT FOR DEMULTIPLEXING, PHASING AND FORMATTING OF INTERCEPTED SIGNALS FOR FURTHER PROCESSING.

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UTILITY

** ATTUNEMENT TO INTELLIGENCE OBJECTIVES

- COMMON PLANNING FRAME OF REFERENCE
- ANALYSIS OF AREAS OF EMPHASIS
- IDENTIFICATION OF GAPS

** LONG-RANGE PLANNING

- FOSTERS COOPERATIVE TECHNOLOGY EFFORTS
- PERMITS OVERVIEW OF PERFORMANCE TOWARDS
LONG-TERM GOALS

25X1A

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PRIORITY PROBLEM AREAS

- I. PROCESSING AND ANALYSIS OF RAW INTELLIGENCE DATA
- II. COORDINATION IN THE DEVELOPMENT OF WIDEBAND DATA LINKS
- III.
- IV. NEW INITIATIVES IN MASS MEMORY TECHNOLOGY
- V. TACTICAL AND NEAR-REAL-TIME USE OF INTELLIGENCE INFORMATION

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